

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7786 (1975): Retractor, Eyelid, Desmarre's Pattern [MHD  
5: Ophthalmic Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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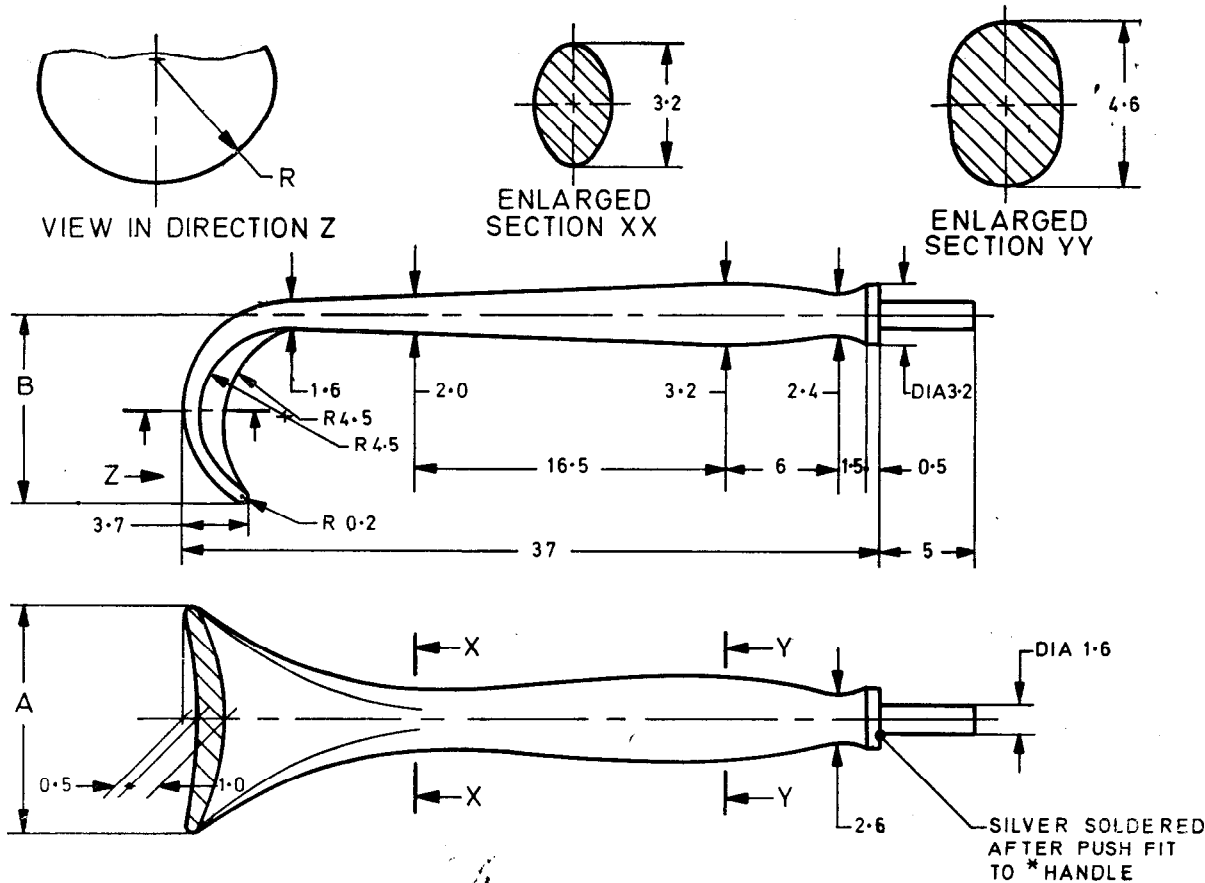
Indian Standard

SPECIFICATION FOR

RETRACTOR, EYELID, DESMARRE'S PATTERN

"RE-AFFIRMED 1993"

1. **Scope** — Covers dimensional and other requirements for Desmarre's pattern eyelid retractor used in eye surgery.
2. **Shape and Dimensions** — As shown in Fig. 1.



Size	A	B	R
Small	10	8	5.5
Medium	12	9	6.0
Large	14	10	7.0

\*Handle conforming to IS : 7783-1975 'General requirements for handles, instruments, eye surgery'.

All dimensions in millimetres.

FIG. 1 RETRACTOR, EYELID, DESMARRE'S PATTERN

3. **Material**

- 3.1 **Blade** — Shall be of stainless steel conforming to Designation 30Cr13 or 20Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.
- 3.2 **Handle** — Shall conform to Type H1 of IS : 7783-1975.

4. **Workmanship and Finish**

- 4.1 The retractor shall be finished smooth and shall be free from burrs, pits, cracks and other surface defects.

**4.2** The edges shall be even and rounded off.

**4.3** The shank of the retractor shall be fixed to a handle conforming to IS : 7783-1975.

**4.4** The silver soldering of the shank to the handle after push fitting shall be neat and sound.

**4.5** The retractor shall be polished bright and passivated.

**5. Heat Treatment** — The retractor shall be uniformly hardened and tempered to give a hardness of 380 to 430 HV.

## **6. Tests**

**6.1 Performance** — A rubber strip 3 mm thick and 25 mm wide shall be gripped in a vice so as to form a loop of 50 mm circumference approximately. The underside of the blade shall be applied to the loop and pulled with a moderate force. On release, the blade shall show no sign of damage.

**6.2 Corrosion Resistance Test** — The retractor shall satisfy the boiling and autoclaving test as specified in IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

**7. Marking** — Each instrument shall be marked with the manufacturer's name, initials or recognized trade-mark, and the country of manufacture.

**7.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**8. Packing** — As agreed to between the purchaser and the supplier. The tip of the retractor shall be suitably protected.

**AMENDMENT NO. 1 AUGUST 1992**  
**TO**  
**IS 7786 : 1975 SPECIFICATION FOR RETRACTOR,**  
**EYELID, DESMARRE'S PATTERN**

( *Page 2, clause 6.2* ) — Substitute 'IS 7531 : 1990 Surgical instruments — Corrosion resistance of stainless steel surgical instruments — Methods of tests' for 'IS 7531 : 1975 Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

( MHD 5 )